CLAIMS:

1. A processor-readable medium having processor-executable instructions that, when executed by a processor, performs a method comprising:

receiving a digital television (DTV) application and its associated metadata; generating a data grouping having application signaling information, wherein the information is based upon the metadata associated with the DTV application;

sending a transmission to a DTV receiving unit, wherein such transmission comprises the data grouping.

- 2. A medium as recited in claim 1, wherein the method further comprises storing the DTV application and its associated metadata.
- 3. A medium as recited in claim 1, wherein the method further comprises constructing and formatting a DTV data service transmission which comprises the DTV application.
- 4. A medium as recited in claim 1, wherein the method further comprises generating a content referencing identifier for the DTV application.

5. A medium as recited in claim 1, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having fields comprising:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;

a visibility field for indicating the degree of control a user has over the DTV application; and

a rating field for indicating a rating of the DTV application.

6. A medium as recited in claim 1, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having fields consisting of:

an application identifier field for identifying the DTV application; an originator identifier field for identifying the originator of the DTV

an application-type field for indicating a type of the DTV application; a visibility field for indicating the degree of control a user has over the

DTV application; and

a rating field for indicating a rating of the DTV application.

application;

7. A medium as recited in claim 1, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having one or more fields selected from a group consisting of:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;
a visibility field for indicating the degree of control a user has over the
DTV application; and

a rating field for indicating a rating of the DTV application.

8. A medium as recited in claim 1, wherein the associated metadata comprises a data structure having fields selected from a group consisting of:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;
a profile field for indicating a minimum profile of a system on which the
DTV application will execute;

a visibility field for indicating the degree of control a user has over the DTV application;

a permission field for denoting "sandbox" security permission of the DTV application; and

9. A processor-readable medium having processor-executable instructions that, when executed by a processor, performs a method comprising:

receiving a transmission which includes application signal information about a digital television (DTV) application, wherein such information is based on metadata associated with the DTV application;

presenting a user interface (UI) configured to inform a user about the DTV application, wherein contents of the UI are based upon the received application signal information.

- 10. A medium as recited in claim 9, wherein the method further comprises receiving user input via the UI.
- 11. A medium as recited in claim 9, wherein the application signal information comprises a data structure embodied on a processor-readable medium, having fields selected from a group consisting of:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;

a visibility field for indicating the degree of control a user has over the DTV application; and

a rating field for indicating a rating of the DTV application.

12. A data structure for metadata associated with a digital television (DTV) application, the structure being embodied on a processor-readable medium having fields comprising:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;
a visibility field for indicating the degree of control a user has over the
DTV application; and

13. A data structure for metadata associated with a digital television (DTV) application, the structure being embodied on a processor-readable medium having fields selected from a group consisting of:

an application identifier field for identifying the DTV application;

an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;

a profile field for indicating a minimum profile of a system on which the DTV application will execute;

a visibility field for indicating the degree of control a user has over the DTV application;

a permission field for denoting "sandbox" security permission of the DTV application; and

a rating field for indicating a rating of the DTV application.

14. A method for managing digital television (DTV) application signaling, the method comprising:

receiving a DTV application and its associated metadata;

constructing and formatting a DTV data service transmission which comprises the DTV application;

generating a data grouping having application signaling information, wherein the information is based upon the metadata associated with the DTV application;

application-signaling a DTV receiving unit via a transmission comprising the data grouping.

- 15. A method as recited in claim 14, further comprising provisioning transmission bandwidth to transmit periodically the application signaling information built for the metadata.
- 16. A method as recited in claim 14, wherein the metadata is part of an Extended Asset Definition Interface.
- 17. A method as recited in claim 14, further comprising generating a content referencing identifier for the DTV application.

18. A method as recited in claim 14, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having fields comprising:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;
a visibility field for indicating the degree of control a user has over the
DTV application; and

a rating field for indicating a rating of the DTV application.

19. A method as recited in claim 14, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having one or more fields selected from a group consisting of:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;
a visibility field for indicating the degree of control a user has over the
DTV application; and

20.	Α	digital	television	(DTV)	application	management	system
comprising	ζ:						

a receiving means for receiving a digital television (DTV) application and its associated metadata;

- a generating means for receiving a data grouping having application signaling information, wherein the information is based upon the metadata associated with the DTV application;
- a sending means for sending a transmission to a DTV receiving unit, wherein such transmission comprises the data grouping.
- 21. A system as recited in claim 20, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having one or more fields selected from a group consisting of:

an application identifier field for identifying the DTV application;

an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;

- a visibility field for indicating the degree of control a user has over the DTV application; and
 - a rating field for indicating a rating of the DTV application.

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22. A digital television (DTV) application management system comprising:

an asset receiver configured to receive a digital television (DTV) application and its associated metadata;

an application signaling generator configured to generate a data grouping having application signaling information, wherein the information is based upon the metadata associated with the DTV application;

a transmitter configured to send a transmission to a DTV receiving unit, wherein such transmission comprises the data grouping.

23. A system as recited in claim 22, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having fields comprising:

an application identifier field for identifying the DTV application;

an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;

a visibility field for indicating the degree of control a user has over the DTV application; and

a rating field for indicating a rating of the DTV application.

24. A system as recited in claim 22, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having fields consisting of:

an application identifier field for identifying the DTV application;

an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;

a visibility field for indicating the degree of control a user has over the DTV application; and

a rating field for indicating a rating of the DTV application.

25. A system as recited in claim 22, wherein the associated metadata comprises a data structure embodied on a processor-readable medium, the structure having one or more fields selected from a group consisting of:

an application identifier field for identifying the DTV application;
an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;
a visibility field for indicating the degree of control a user has over the
DTV application; and

26. A system as recited in claim 22, wherein the associated metadata comprises a data structure having fields selected from a group consisting of:

an application identifier field for identifying the DTV application;

an originator identifier field for identifying the originator of the DTV application;

an application-type field for indicating a type of the DTV application;

a profile field for indicating a minimum profile of a system on which the DTV application will execute;

a visibility field for indicating the degree of control a user has over the DTV application;

a permission field for denoting "sandbox" security permission of the DTV application; and

a rating field for indicating a rating of the DTV application.